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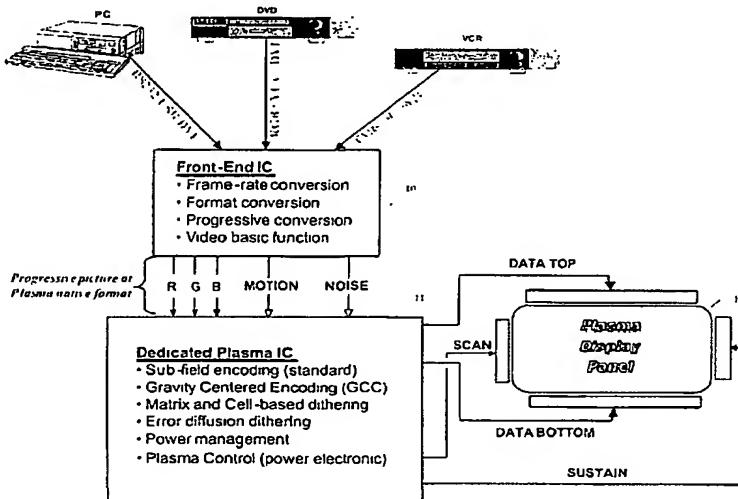
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PROCESSING VIDEO PICTURES IMPROVING DYNAMIC FALSE CONTOUR EFFECT COMPENSATION



(57) Abstract: The invention relates to a method for processing video pictures for display on a display device having a plurality of luminous elements corresponding to the pixels of a picture wherein the time of a video frame or field is divided into a plurality of N sub-fields (SF) during which the luminous elements can be activated for light emission in small pulses corresponding to a sub-field code word of n bits used for coding the p possible video levels lighting a pixel, comprising the steps of - determining if pictures are static pictures or moving pictures, - in case of static pictures, processing video pictures using a first sub-field encoding method adapted to pictures when no motion is detected, and in case of moving pictures, processing video pictures using a second encoding method reducing dynamic false contour effect adapted to pictures when motion is detected. The invention applies to plasma display panels.

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 973 147 A (MATSUSHITA ELECTRONICS CORP) 19 January 2000 (2000-01-19) figure 41 paragraphs '0008!, '0016!, '0020!, '0021!	1
A	EP 1 162 571 A (THOMSON BRANDT GMBH) 12 December 2001 (2001-12-12) abstract; figures 15,16	2-19
Y		1
A		2-19
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>YAMAGUCHI T ET AL: "DEGRADATION OF MOVING-IMAGE QUALITY IN PDPS: DYNAMIC FALSE CONTOURS"</p> <p>JOURNAL OF THE SOCIETY FOR INFORMATION DISPLAY, SOCIETY FOR INFORMATION DISPLAY, SAN JOSE, US,</p> <p>vol. 4, no. 4, December 1996 (1996-12),</p> <p>pages 263-270, XP000825468</p> <p>ISSN: 1071-0922</p> <p>page 263 -page 270</p> <p>---</p>	1-19
A	<p>EP 0 978 817 A (THOMSON BRANDT GMBH)</p> <p>9 February 2000 (2000-02-09)</p> <p>page 5, line 18-40</p> <p>-----</p>	1-19

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